NOTE

This file contains the PowerPoint presentation for the significant changes to the JFMM applicable to all Volumes with the exception of the Nuclear Addendum section (Part II of Volume V). It has been designed to work with a Word document file that provides the specific changes. The pages of this file correspond to the Word document file included on this CD-ROM

(JFMM Rev B3 Training Notes.doc).

COMFLTFORCOMINST 4790.3A

Rev B Change 3

JFMM Volume I

NEW CONSTRUCTION

Definition
For the Term “Work”

Added:

- Added a new definition for the term “**work**” as used within the manual to avoid conflicts between organizations.

Volume I, Chapter 1, Appendix D;

Sub Sea Trial Riders
Equipment Required

Modified required equipment for each rider exceeding normal ships crew.

- 4 - Lithium Hydroxide canisters
- 4 - Lithium Hydroxide Curtains
- 1 - Submarine Escape Emersion Ensemble Suits

Oxygen Supply and Carbon Dioxide Removal.

- Seven day supply of each required in each compartment.

Volume I, Chapter 4, paragraph 4.4.1.d; Volume I, Chapter 4, paragraph 4.4.1.e(12);

JFMM Volume II

INTEGRATED FLEET MAINTENANCE

CNO Availabilities
Surface Ship Trials & Inspections

- Fast Cruise
  - Commencement requires TYCOM permission.
  - CO to report completion of Fast Cruise to TYCOM.
- Rest and Repair Period
  - Added a 48 hour Rest and Repair period following Fast Cruise.
- Sea Trials
  - Commencement requires TYCOM permission.

Volume II, Part I, Chapter 3, paragraph 3.6.8.1.e(1); Volume II, Part I, Chapter 3, paragraph 3.6.8.1.e(3); Volume II, Part I, Chapter 3, paragraph 3.6.8.1.f; Volume II, Part I, Chapter 3, paragraph 3.6.8.1.g(1);

Submarine Sea Trials

- Industrial Activity Availability Trials
  - Oxygen supply requirement now **7** days.
  - Depth authorization is ½ test depth plus 50 ft until all RECs are closed.
  - Ship may transit to a different port with TYCOM authorization.
  - Requirements for Lithium Hydroxide curtains and Oxygen candles increased..

Volume II, Part I, Chapter 3, Paragraph 3.6.8.3.b; Volume II, Part I, Chapter 3, Paragraph 3.6.8.4.b; Volume II, Part I, Chapter 3, Paragraph 3.6.8.4.7;

Fleet Maintenance Availabilities

- I Level Work
  - Amplified the guidance for brokering I Level Work.
- Additional Requirements
  - For jobs pushed to the Current Ships Maintenance Project by the Integrated Class Maintenance Plan.

Volume II, Part I, Chapter 4., Paragraph 4.4.6; Volume II, Part II, Chapter 1, Paragraph 1.4.5;

Submarine Sea Trials

- Fleet Maintenance Activity Availability Trials
  - Oxygen supply requirement now **7** days.
  - Depth authorization is ½ test depth plus 50 ft until all RECs are closed.
  - Ship may transit to a different port with TYCOM authorization.
  - Requirements for Lithium Hydroxide curtains and Oxygen candles increased..

Volume II, Part I, Chapter , Paragraph 4.9.2.b; Volume II, Part I, Chapter , Paragraph 4.9.9.c;

JFMM Volume III

DEPLOYED MAINTENANCE

JFMM Volume IV

TESTS AND INSPECTIONS

Boiler Inspections

- **Changes**

  - Modified guidelines and reports.
  - Modified Boiler Inspection areas.
  - Modified Appendix E to reflect “Severely Degraded designation..

Volume IV, Chapter 3, paragraph 3.7.1; Volume IV, Chapter 3, paragraph 3.7.2; Volume IV, Chapter 3Appendix E;

Work Authorization & Control

- **Changes:**
  - Point to the new definition of “work”.
  - Clarified the SOSMIL requirement.
  - Modified who can perform draft calculations and how they are verified.
  - Added the Watch/Duty Officer to Appendix A block 11.

Volume IV, Chapter 10, Paragraph 10.2; Volume IV, Chapter 10, Paragraph 10.4.8; Volume IV, Chapter 10, Appendix A, block 11;

Gas Free Engineering

- **Program Assessment**

  - Expanded the purpose to include oversight.
  - New paragraph to provide oversight evaluation requirements.
  - Adds a new appendix to provide an assessment worksheet.

Volume IV, Chapter 25, paragraph 25.1; Volume IV, Chapter 25, paragraph 25.4; Volume IV, Chapter 25, Appendix A;

JFMM Volume

QUALITY MAINTENANCE

Organizational Responsibilities

Changes”

- Added an explicit requirement to use an audit plan for FBW SCS certification.
- Clarify the submarine availability coordinator requirements.
- Identified the critical systems requiring fact finding critiques.

Volume V, Part I, Chapter 1, paragraph 1.4.1.o(2); Volume V, Part I, Chapter 1, paragraph 1.5.6.b; Volume V, Part I, Chapter 1, paragraph 1.6.3.m;

Quality Maintenance Processes

- Changes:
  - Added paragraph 2.2.1.aa, a new Note, and Table 2-1.
  - Clarified the Reactor Plant exceptions for the use of CWPs.
  - Corrected the Department Head review of Ships Force CWPs.

Volume V, Part I, Chapter 2; paragraph 2.2.1.aa; Volume V, Part I, Chapter 2; paragraph 2.2.b(1); Volume V, Part I, Chapter 2; Appendix D;

Training and Qualifications

- QAO
  - Modified the training requirements.
- Submarine Tank Visual Inspection
  - Clarified the area to be inspected is the path to the work.
- Retest by Controlled Dive
  - Presence of a Dry Deck Shelter or ASDS precluding testing affects authorized depth.

Volume V, Part I, Chapter 3, Paragraph 3.4.1; Volume V, Part I, Chapter 5, Paragraph 5.8.3.d.(1); Volume V, Part I, Chapter 5, Paragraph 5.10.5.d;

In-Process Control

- Torque Wrenches
  - Modified scale ranges to agree with S9505-AM-GYD-010.
- Body Bound Studs
  - Critical inspections include body bound studs.
- Set Stud Inspection
  - New paragraph to emphasize the requirement.
- Certification Continuity Report
  - Aligns Fleet and NAVSEA processes.

Volume V, Part I, Chapter 5, Paragraph 5.2.2; Volume V, Part I, Chapter 5, Paragraph 5.8.3.a(10); Volume V, Part I, Chapter 5, Paragraph 5.8.7; Volume V, Part I, Chapter 5, Paragraph 5.10.8.c;

In-Process Control

- Ship Alterations
  - Review for affect on URO MRC 029.
- Aircraft Carrier Maintenance Documents
  - Departures From Specifications - Liaison Action Requests.
  - SPARS - RCPIs.
  - Nuclear Liaison Inquiry.
  - Configuration Change Reports.

Volume V, Part I, Chapter 5, Paragraph 5.12..d;
Volume V, Part I, Chapter 5, Paragraph 5.14;

Material Control

- Changes:

  - Segregation of Scope of Certification material.
  - Cannibalized controlled material.
  - Damaged controlled material.

Volume V, Part I, Chapter 6, Paragraph 6.3.9.1.b.(1).d;
Volume V, Part I, Chapter 6, Paragraph 6.3.9.1.d ;
Volume V, Part I, Chapter 6, Paragraph 6.3.9.4.k ;

Testing Requirements

- Procedures
  - Test Pressure Diagrams.
  - Testing of new material.
- Drop Tests
  - Added a new paragraph on Non-NUCLEAR Drop Tests.
- Exemptions/Alternatives to Test Requirements
  - Material received in proper configuration.
  - Sub Hull/Back-up Valves Excluded.

Volume V, Part I, Chapter 7, paragraph 7.2.1; Volume V, Part I, Chapter 7, paragraph 7.2.4; Volume V, Part I, Chapter 7, paragraph 7.2.4;

Testing Requirements
continued

- Test Pressure Drawing Identification
  - Added SSN 774 Class.
  - Added new Notes.
- Drop Tests
  - Added a new paragraph on Non-NUCLEAR Drop Tests.
- Exemptions/Alternatives to Test Requirements
  - Material received in proper configuration.
  - Sub Hull/Back-up Valves Excluded.

Volume V, Part I, Chapter 7, paragraph 7.2.1; Volume V, Part I, Chapter 7, paragraph 7.2.4; Volume V, Part I, Chapter 7, paragraph 7.2.4;

VOLUME VI

MAINTENANCE PROGRAMS

Fleet Technical Assistance

- Background
  - Updated to reflect current Command name changes.
- Policy
  - Modified to reflect current policy.
- Requesting Assistance
  - Initial request to cognizant Area RMC.

Volume VI, Chapter 2, paragraph 2.1; Volume VI, Chapter 2, paragraph 2.4.1; Volume VI, Chapter 2, paragraph 2.4.3;

Fleet Technical Assistance
Continued

- Procedure
  - Contact Navy Global Distance Support Center first.
- NGDSC Initial Process
  - Updated to reflect current process.

Volume VI, Chapter 2, paragraph 2.6.1.a; Volume VI, Chapter 2, paragraph 2.6.3;;

VOLUME VII

CONTRACTED SHIP MAINTENANCE

Contract Administration Q.A. Program

- Changes include
  - Modified the retention and disposal of inspection records.
  - Updated training.
  - Modified inspector certification.
  - Modified Inspector oversight of contractor personnel.

Volume VII, Chapter 11, paragraph 2.4; Volume VII, Chapter 11, paragraph 3.3.1; Volume VII, Chapter 11, paragraph 3.3.3; Volume VII, Chapter 11, paragraph 3.3.5;